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IN THE SPECIFICATION

Please amend the specification as indicated hereafter. It is believed that the following amendments and additions add no new matter to the present application.

In the specification:

Please amend the paragraph starting on page 2, line 25 as follows:

Another aspect provides a method for detecting a target polynucleotide by hybridizing a first primer to the target polynucleotide and forming equal length primer extension products using a reaction mixture having nucleotides consisting of X, Y, and Z, wherein X and Y are different purine non-terminator nucleotides, and Z is a pyrimidine non-terminator nucleotide; or X and Y are different ~~pyrmidine~~ pyrimidine non-terminator nucleotides, and Z is a purine non-terminator nucleotide. The extension products are hybridized to a second primer which can be immobilized on a solid support. The second primer is extended with at least one nucleotide having a detectable marker using a portion of the equal length extension products as a template. The amount of detectable marker can then be correlated with the amount of target polynucleotide.

Please amend the paragraph starting on page 3, line 5 as follows:

Yet another aspect provides a kit for quantification of a target nucleic acid. The kit includes a first primer complementary to a known polynucleotide sequence of the target nucleic acid, and a second primer complementary to an extension product formed from the first primer. The second primer is not complementary to the first primer. One or more enzymes for performing a primer extension reaction are also included. The kit includes a non-terminator nucleotide mixture formulated to produce equal length primer extension products. One exemplary nucleotide mixture is provided having nucleotides consisting of X, Y, and Z, wherein X and Y are different purine non-

terminator nucleotides, and Z is a pyrimidine non-terminator nucleotide; or X and Y are different ~~pyrmidine~~ pyrimidine non-terminator nucleotides, and Z is a purine non-terminator nucleotide. The nucleotides can be labeled with a detectable marker. The detectable marker may comprise an enzyme or protein moiety, radioactive isotope, a fluorescent moiety, or a chemical group such as biotin. Moreover, the detecting or quantifying method step may be carried out by fluorospectroscopy or mass spectrometry.

Please amend the paragraph starting on page 6, line 26 as follows:

In another embodiment, the non-terminator nucleotide mixture includes nucleotides consisting of X, Y, and Z, wherein X and Y are different purine non-terminator nucleotides, and Z is a pyrimidine non-terminator nucleotide; or X and Y are different ~~pyrmidine~~ pyrimidine non-terminator nucleotides, and Z is a purine non-terminator nucleotide. Exemplary non-terminator nucleotide mixtures with nucleotides having at least two different pyrimidine bases and one purine base include: C and T; C and U; or T and U; in combination with A or G. Exemplary extension reaction mixtures with nucleotides having two different purine bases and one pyrimidine base include: A and G in combination with at least one nucleotide selected from C, T or U.

Please amend the paragraph starting on page 11, line 20 as follows:

An exemplary non-terminator nucleotide mixture includes a combination of nucleotides consisting of X, Y, and Z, wherein X and Y are different purine non-terminator nucleotides, and Z is a pyrimidine non-terminator nucleotide; or X and Y are different ~~pyrmidine~~ pyrimidine non-terminator nucleotides, and Z is a purine non-terminator nucleotide.

In the Abstract:

Please amend the Abstract starting as follows:

Methods, compositions, and kits for the detecting and/or quantification of polynucleotides are provided. An exemplary method provides hybridizing a first primer to the target polynucleotide and forming equal length primer extension products using a nucleotide reaction mixture consisting of X, Y, and Z, wherein X and Y are different purine non-terminator nucleotides, and Z is a pyrimidine non-terminator nucleotide, or X and Y are different ~~pyrmidine~~ pyrimidine non-terminator nucleotides, and Z is a purine non-terminator nucleotide. A portion of the extension products are hybridized to a second primer that is immobilized on a solid support, and the second primer is extended with at least one nucleotide having a detectable marker. The signal from the detectable marker can be correlated to the amount of target polynucleotide. Kits for performing this method are also provided.